



Performance Data Sheet

THG1374YXA

General Information

Model	THG1374YXA	Refrigerant	R-134a
Test Condition	ASHRAE	Performance Test Voltage	115V ~ 60HZ
Return Gas	32.2°C (90°F) RETURN GAS	Motor Type	N/A

Performance Information

Evap Temp (°C)	Condensing Temperature (°C)				
		30	40	50	60
-40	Btu/h	95.5	351	400	422
	Watts (Power)		82.7	107	108
	Amps	0.88	1.06	1.14	1.20
	Lb/h	2.15	3.57	3.64	4.64
-35	Btu/h	272	415	376	335
	Watts (Power)	33.7	108	113	104
	Amps	1.01	1.12	1.14	1.13
	Lb/h	4.66	5.04	4.12	4.16
-30	Btu/h	506	577	491	428
	Watts (Power)	76.8	131	126	117
	Amps	1.19	1.28	1.27	1.23
	Lb/h	7.48	7.35	5.95	5.57
-25	Btu/h	737	777	685	640
	Watts (Power)	107	151	145	145
	Amps	1.34	1.46	1.48	1.46
	Lb/h	10.0	9.89	8.54	8.26
-23.3	Btu/h	804	843	758	729
	Watts (Power)	114	156	152	158
	Amps	1.38	1.52	1.55	1.55
	Lb/h	10.7	10.7	9.49	9.36
-20	Btu/h	906	956	899	914
	Watts (Power)	122	165	168	187
	Amps	1.42	1.61	1.70	1.74
	Lb/h	11.7	12.1	11.3	11.6
-15	Btu/h	955	1060	1070	1190
	Watts (Power)	120	172	193	240
	Amps	1.37	1.68	1.88	2.04
	Lb/h	11.8	13.3	13.6	15.1
-10	Btu/h	824	1020	1150	1410
	Watts (Power)	99.4	169	218	303
	Amps	1.14	1.61	1.97	2.28
	Lb/h	9.93	12.9	14.9	18.0

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	-3.556302E+03	-9.820729E+02	-4.295592E+00	-5.430332E+01
C2	-2.539182E+02	-2.795987E+01	-3.605949E-01	-3.614081E+00
C3	1.934853E+02	5.842138E+01	1.860778E-01	2.894245E+00
C4	-9.584518E+00	-1.040069E+00	-9.859248E-03	-1.089230E-01
C5	2.154117E+00	1.442955E-01	5.833295E-03	5.431786E-02
C6	-3.631229E+00	-1.144730E+00	-1.874489E-03	-5.031842E-02
C7	-7.865593E-02	-2.330715E-03	-7.583318E-05	-7.976006E-04
C8	8.180113E-02	1.885285E-02	9.042778E-05	1.046614E-03
C9	2.469672E-02	9.791430E-03	-4.425881E-06	4.739841E-05
C10	2.990436E-02	9.483654E-03	1.046090E-05	3.787581E-04

$$\text{Value} = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3$$

Te = Evaporator Temperature

Tc = Condensing Temperature